

ABSTRACT

A method of transferring guard values and a computer system, such as a processor for digital signal processing, including a parallel set of execution units that utilizes the method. A master set of guard indicators is held in association with one of the execution units. If other execution units require the guard values for particular guard indicators, a sendguard instruction is issued to the execution unit holding the master guard values. The sendguard instructions are held in a separate queue from the main instructions intended for that execution unit. Circuitry is provided in the execution unit to avoid stalling in the dispatch of sendguard instructions even in the context of earlier guard modifying instructions.